DERWENT-ACC-NO:

1977-90223Y

DERWENT-WEEK:

197751

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE:

Multi-nozzle plate for drawing glass

fibres - made by

laser piercing flat plate, then

opening holes to make the

nozzles

PATENT-ASSIGNEE: BEYER H[BEYEI]

PRIORITY-DATA: 1976DD-0194518 (August 30, 1976)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

DD 127358 A

September 21, 1977

N/A

000

N/A

INT-CL (IPC): B21D031/02

ABSTRACTED-PUB-NO: DD 127358A

## BASIC-ABSTRACT:

A nozzle plate is made for producing individual streams of a hot, molten

mineral. An initial plate with the same thickness as the finished plate is

pierced to obtain numerous holes. Stamping is then employed to form a

cup-shaped depressions round each hole; the holes are then widened so the cups

are deformed to produce tubes which are stretched into nozzles. The plate is

pref. made of Pt or a Pt-base alloy, a laminated material, or a pptn.-hardened

alloy; and the plate may contain gold. Piercing of the plate is pref. carried out by a laser beam.

Uniform deformation of the initial plate to obtain may use

of expensive raw materials, is obtd. where the resulting nozzles are close together and the plate has long working life.

TITLE-TERMS: MULTI NOZZLE PLATE DRAW GLASS FIBRE MADE LASER PIERCE FLAT PLATE

OPEN HOLE NOZZLE

DERWENT-CLASS: F01 L01 M21 P52

CPI-CODES: F01-C01; F01-C03; L01-F03B; M21-B04; M21-E02;